

METHOD FOR RECOVERING HYDROGEN CHLORIDE FROM CHLORINE
BASED WASTE AND USE OF RECOVERED HYDROGEN CHLORIDE

ABSTRACT OF THE DISCLOSURE

To provide a process for recovering high quality
5 hydrogen chloride rationally with good economical
efficiency, particularly hydrogen chloride with an elevated
quality level to be provided as the feedstock for the
oxychlorination reaction in producing dichloroethane and a
vinyl chloride monomer from a hydrogen chloride gas to be
10 generated by the combustion of chlorine based waste. To
use a process for recovering hydrogen chloride from
chlorine based waste comprises adding water and a reducing
agent to an acid gas obtained by the combustion of chlorine
based waste to effect reaction to obtain a crude hydrogen
15 chloride aqueous solution having an oxidation-reduction
potential of not higher than 900 mV and then, distilling
the crude hydrogen chloride aqueous solution to obtain a
purified hydrogen chloride gas.

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